Approved For Release 2006/12/06 CIA-RDP78B04770A000200010045-1

NPIC/P&DS/D/6-1349 6 May 1966

MEMORANDUM FOR:	Deputy Chief, Development Branch, I Development Staff	Plans and
SUBJECT:	Supplement to Report 65-9225-1	L 25X′
in support of the Printer. The sup questions request	s submitted a supplemental report as eir Feasibility Report on a Multiple oplement contains the graphs and the sed by the Project Monitor on 11 February also answered additional of Project Monitor at NPIC on 26 April	e Image Integration e answers to pruary 1966
printer at 12X ma with a typical hi are presented for some improvement but very little i An important poin perception is gre	ohs indicate that the transfer function is comparable to the regnification is comparable to the reght quality enlarger at 12X magnification for the second of the type 3404, 3401, and tri-X; to in resolution can be obtained in comprovement in resolution from high at is brought out in Figure 10, the eatly improved on tri-X for the interpretable. This is also emphasized againness.	esults obtained cation. Graphs they indicate that parse grained film definition film. threshold of egrated inputs
1959 and publishe article pretty we technique that is article also dwel use in the print		er 1965. This or-Follow Spot raph of the 25X7 that would 25X7
4. Other po meeting are:	ints that were brought out in the r	report or the
100-150 line	e limiting resolution for input maters/mm. Any attempt to increase the crease in input size and an increas	resolution would
since the sl	video bandwidth will be 20 megacyc ow scan print out technique will be second display rate will not have	e used and the

Declass Review by NGA

GROUP 1
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c. The Image Integration Printer will not appreciably increase resolution but it will improve the information content by improving the contrast of low contrast images, reveal image detail in shadows or low contrast areas by superimposition of images from various missions, and by detecting change in several missions.		
d. The main function of the instrument is as a printer and not as a viewer, therefore, the flicker display rate will not be a major factor as it was in the contract.	25X1	
e. There will be 10 steps of contrast as explained in the report, the computation in the earlier report was based on high contrast and only two steps were used to indicate the maximum effect.		
f. Illumination is not a problem when the follow spot technique is used.		
g. The time to produce a slow scan print out is approximately one second.		
5. All the questions have been answered satisfactorily by and the state-of-the-art appears to have made major advances since	25 X ′	
the days of the contracts. All indications are that the instrument proposed by will be a useful instrument for the integration of grain limited images by increasing the signal-to-noise ratio.		
6estimates that it can produce a working instrument with	25 X 2	
the remaining funds. It is recommended that the Office of Logistics be instructed to establish a new completion date and authorize to proceed with the fabrication of the instrument.		
7. Attachment 2 contains changes that proposed for an incentive type contract covering Phase II. It is recommended that the proposed changes in the incentive contract be rejected. The feasibility study shows that a signal-to-noise ratio of 1.7 is possible and that a maximum resolution of 130 lines may be achieved. The incentive targets they recommend are almost sure of achievement.	25X ²	
Development Branch, P&DS	25X	

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Attachments:

Report 65-9225-1
Letter Dated 8 December 1965

3.- Article from J. of SMPTE, dated September 1965

Supplement Report

25X1

25X1

Distribution:

Orig & 1 - Addressee

1 - Ch/DB

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1 - Project File (99848-5)

2 - DB Chronos

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